### VIZARDS OF MEMORY

LAMOUS MEN WHO HAD WONDER FUL POWERS OF RETENTION.

The Remarkable and Authentic Cases of Leonard Euler, the Mathemati-Prodigy, and Rev. Dr. John Wallis.

Writers on psychology and philoso by have cited many examples of proigious memory. No doubt some of Dese are exaggerations, others are fabtious, and only a comparatively few admit of verification. Recently I have found in my reading three cases so well authenticated that they may be used to illustrate the wonderful power of a well cultivated memory in a mind of strong native endowment. In each instance, too, this remarkable retentiveness seems in no way to have retarded the fullest development of other

mental powers Probably the most remarkable of the three was the memory of Leonard Euler. Euler was a native of Basel. but most of his life was spent in St. Petersburg. He was born in 1707 and dled in 1783. He was a teacher of great power and a most prolific writer. More than half of the forty-six quarto volumes of mathematics published by the St. Petersburg academy between youth while employed in one of the 1727 and 1783 were from his pen. A) his death he left more than 200 manu-

In the later years of his life he was totally blind. Then, and probably earller, too, he carried in his memory a peat the whole of the "Aeneid." table of the first six powers of the "series of natural numbers up to a hundred." It is related that on one occasion two of his students attempted to calculate a converging series. As they progressed they found disagreement in the calculation. He did this mentally, and his result was found to be cor-

It was not only in mathematics that Euler gave proof of a prodigious mem-"Aeneld" "from beginning to end withand last line of every page of the edi-

The seventeenth century furnishes case they were lost." the other two instances, to which I call | There can be no doubt of the truth especial attention. The first is that of the Italian scholar Antonio da Marco told of Macaulay's memory. He was Magliabechi. Magliabechi was the literary prodigy of his time. Royalty and other distinguished personages paid tribute to his wonderful learning. His contemporaries have said that his memory was so prodigious that he was able to retain verbating most of the contents of his "multitudinous books."

A comparatively recent writer has declared that Magliabechi could name all the authors that had written upon any subject, giving the name of the book, the words and often a page. This is doubtless exaggeration; but, on the other hand, it should be remembered Magliabechi's time to ours that give as a holiday.

century is that of the Rev. Dr. John Wallis. It is not, however, as a theologian that Wallis' name is enrolled in ranks as the greatest of Newton's English precursors. He was started on his mathematical career by reading Oughtred's "Clavic Mathematica," but the By the Governor: special bent of his genius came from Torricelli's writings on "The Method of Indivisibles." To this he applied the Cartesian analysis and produced his great work, the "Arithmetica Infinitorium"-"the most stimulating mathematical work so far published in England." Here he makes the successful attempt to solve a number of the more simple problems of the calculus by the summation of series to infinity. The work was one of great influence. Newton read it while an undergraduate at the university and from it immediately derived his binomial formula. The power of concentration and of memory were both very strong with Wallis-so strong, it is said, that on one occasion "while in bed in the dark he extracted the square root of a number of fiftythree places to twenty-seven terms and repeated the result twenty days after-

These examples of retentive memory are quite well authenticated and give plausibility to the possible truth of others frequently cited. Pliny tells us that Cyrus the Great knew the names of all his soldiers, and Cicero in his "De Senectute" says that Themistocles could call by name the 20,000 citizens of Athens. From Cicero, too, we learn something of the remarkable memory of Sophocies, who in old age when judicial proceedings had been instituted to determine his mental competency recited to the judges the "Oedipus" at Colona to prove his mind was not fail-

Plato makes Hippias boast that he could repeat 500 words after hearing them once, but this is nothing compared with the claims of Seneca. In his declarations in speaking of the former tenacity of his memory he says that he was able to repeat 2,000 names in the order in which they had been given to him. He relates, too, that on one occasion in his student days, after the different pupils of his preceptor

repeat in either direct or reverse or provided as to corporations. der or begin at any point and repeat

both ways a list of 36,000 names. It is related that both Horace Verof the Sistine Miserere from memory. and that, too, from hearing it but

Giovanni Pico della Mirandola, Pas-Ben Jonson, Leibnitz, Scaliger, the summons, Neibuhr and Macaulay all were men of marvelous memories. Almost from childhood Mirandola was noted for his extraordinary memory. He studied to Ferrara, where he mastered theol- tory of Arizona, before. losophy and became proficient in Lat- Globe, Plaintiff, vs., son tells us that he could repeat all be upon the complaint of. that he had read. The same feat, too, Dated at Globe this .. is credited to Niebuhr, the historian. It is also told of Nelbuhr that in his public offices of Denmark he was able through his memory alone to completely restore a book of accounts that had been-partly destroyed. Leibnitz, like Euler, is said to have been able to re-

The many stories told of Macaulay's almost portentous memory have been related too often to bear repetition. Not a few of them are on seemingly certain authority. William H. Prescott, who met Macaulay about 1850. their results. These differed by a unit has told us some interesting things of at the fiftieth figure. The question was his memory. I shall mention but one. referred to Euler, who decided to make This was related to Prescott by Henry Hallam, who said that Lord Jeffrey had once told him "that, having tripped up Macaulay in a quotation from 'Parcame to him and said, 'You will not ory. He was well read in general liter. catch me again in the "Paradise," at forthwith paid, said fine shall be enature and was an excellent classical which Jeffrey opened the volume and forced by a writ of execution against scholar. Virgil was one of his favorite took him up in a great many passages the estate of the defendant as in other writers. It is said that he knew this at random, in all of which be went on like cases. author so well that he could repeat the correctly repeating the original. Was it not a miraculous tour d'esprit? Maout hesitation and indicate the first caulay does not hesitate to say now that he thinks he could restore the first have been rendered in favor of the six or seven books of the 'Paradise' in

> of this and many of the other stories a man of splendid talents. His knowledge of English history was unsurpassed by his contemporaries.-John William Perrin in New York Herald.

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#### ARBOR DAY PROCLAMATION By the Governor of Arizona

To the People of Yuma, Maricopa, Pinal, Pima, Santa Cruz, Cochise, Graham and Gila Counties, Arizona: It is provided by statute of this ter such fine. that the number of books on any sub- ritory that the Friday following the ject were much fewer then than at the first day of February in each year shall present day. Besides this, there are be known as Arbor Day in the above two stories that have come down from named counties, and shall be observed the client of any ordinance of

color to its truth. On one occasion a Now, therefore, by virtue and in ac gentleman of Florence desired to test cordance with the direction of that Magliabechi's memory and ascertain statute, I, Joseph H. Kibbey, governor for himself whether the wonderful of Arizona, hereby proclaim Friday, the serve all summons issued in actions of stories told were truth or fiction. He 8th day of February, A. D. 1907, design gave him a manuscript to read; then, nated as Arbor Day, to be in the counsome days after its return, pretending ties first above mentioned as holiday; therein both final and mesne; to concer was private premises at any time and not all fines and pay the same weekly as private premises at any time and not recall it, which, it is said, he did with served by the people of those counties remarkable exactness. At another time by the planting of trees, shrubs and the grand duke of Florence asked if he vines, in the promotion of forest and could procure a certain book for him. orehard growth and culture, by the Immediately came the response: "No, adornment of public and private cil. sire; it is impossible. There is but one grounds, places and ways, and by such In the world. That is in the grand other efforts and undertakings as shall seignlor's library at Constantinople and be in harmony with the character of Is the seventh book on the seventh the day so established-all in accordshelf on the right hand as you go in." ance with the provisions of Title IV The other instance in the seventeenth | Arboriculture, Revised Statutes of Ari-

In witness whereof, I have hereunto set my hand and caused the great seal the temple of fame, but as a mathema- of the territory to be affixed. Done at tician. In mathematical history he Phoenix, the capital, this 25th day of January, 1907.

JOSEPH H. KIBBEY.

W. F. NICHOLS,

### ORDINANCE NUMBER SIX

An Ordinance Regulating Proceedings for the Punishment of Violators of Ordinances of the City of Globe and Providing for the Collection of Fines ing. and Penalties Which Shall Accrue to the City of Globe on Account of Such

Be it ordained by the Mayor and ommon Council of the City of Globe:

SECTION I. The proceedings against any person persons for or on account of alleged iolation of any of the ordinances of the lity of Globe may be prosecuted before ny Justice of the Peace residing in aid City, and all money collected or received for fines, penalties and forfeitires shall be paid into the treasury of the city as hereinafter provided; such proceedings shall be commenced by emplaint signed and sworn to before meh Justice, stating the clause or bennes of the ordinance which it is lleged have been violated.

SECTION II. e said City of Globe, charging the ounty or the calaboose of the City of Globe until the payment of such fine or to be confined at hard labor upon the be in a state of intoxication in any ing of any public street for the purpose of Arizona, do unanimously vote in streets or public works of the City achighway, street, thoroughfare or other of receiving or delivering any goods, favor of, and do hereby assume and had recited 200 unconnected verses, he repeated them in a reverse order—that is, he began with the last and proceed.

Cording to the provisions of the Ordinance violated. Where a fine or penalty has been house or place, or shall abuse another or prostitute, co

menaphysics and Logic. fie makes or impose any imprisonment for non- every such person shall be deemed guil- any public meretricious display of herthe statement and cites Muretus as payment thereof; the same may be col- ty of a misdemeaner and upon convic- self upon the streets or in any public authority that a young Corsican could lected by an action of debt as herein tion thereof shall be fined in any sum place, shall be deemed guilty of a mis-

SECTION III. net and Gustave Dore could paint a lation of any of the ordinances of the thirty days. portrait from memory. There is also city by a corporation, said Justice of ciant Magliabechi, the Literary a story that is more than tradition that the Peace shall issue a summons, signed Wolfgang Mozart set down the whole by himself with his name of office, re or drive any horse in any avenue, street, quiring such corporation to appear be alley or lane, or ride or drive faster fore him at a specified time and place than a walk across any bridge, within less than five days after the service of son shall be deemed guilty of a misde-

> SECTION IV. tice Court, Precinct Number. canon law at Bologna and then went In and For the County of Gila, Terri exceeding two months. ogy and the different systems of phi- Justice of the Peace. The City of

in, Greek, Hebrew, Chaldee and Ara- Defendant. The City of Globe to the noise, riot, disturbance or breach of the upon conviction thereof, shall be fined bic. The wide range of his learning is above named Defendant: 'You are peace, he shall be deemed guilty of a in a sum not exceeding fifty dollars, or best illustrated in the 900 theses he hereby summoned to appear before me misdemeanor and upon conviction be imprisoned in the City or County proposed as subjects of controversy at at my office, in the City of Globe on thereof shall be fined in a sum not ex- jail for a period of time not exceeding Rome in 1486. Pascal says he never (specifying the date and hour) to an ceeding one hundred dollars, or shall be one month, or be punished by both such forgot anything he read. Ben Jon- swer to a charge made against you confined at hard labor upon the streets fine and imprisonment.

had ever written and "whole books" for (designating the offense generally), riod not exceeding two months.

Justice of the Peace." SECTION V.

the time of such service.

SECTION VI. nons, the Justice must proceed to inupon conviction, and the same is not

SECTION VII When any judgment upon an action of debt against a natural person may City of Globe; when such action of ordinances of said City, the same shall viction thereof shall be fined in any be enforced by writ of execution sum not exceeding fifty dollars or be against the estate of the defendant and confined at hard labor upon the streets if the return upon such writ of execu- and public works of the City for a tion states that the defendant named in period not exceeding thirty days. the writ has no property subject to execution sufficient to satisfy such judgment an alias writ of execution may trench or ditch in any street or alley be issued commanding the City Marshal of this City without having first ob to take the body of the defendant and tained a written permission from the imprison him for a time sufficient to Supervisor of Streets, he shall be deempay the amount of the fine or penalty ed guilty of a misdemeanor and upon originally imposed upon the defendant conviction thereof shall be fined in any

SECTION VIII It shall be the duty of the City Mar- days. account of all fines and moneys col-

SECTION IX.

of the Peace residing in the City.

SECTION X. for violation of any ordinance or parts for a period not exceeding three thereof shall be in the name of the

City of Globe as Plaintiff, and all processes issued in any suit or proceeding secretary of the Territory of Arizona, shall issue in the name of the City of

No costs or fees shall in any event be charged to the City except costs of necessary publication in any proceed-

SECTION XII. and after its passage.

January, 1907. Approved: Attest: F. J. Elliott, Clerk.

### First publication January 22, 1907. ORDINANCE NUMBER SEVEN

Be it ordained by the Mayor and Globe, Common Council of the City of Globe: SECTION I.

place within the City of Globe in a grounds or upon any vacant lot of the state of nudity, in a dress not belonging City of Globe any refuse, garbage, Whenever any complaint is filed with to his or her sex, or in any indecent or waste paper or debris of any nature, exny Justice of the Peace residing in lewd dress, or shall make any indecent cept at such times and places and under the said City of Globe, charging the exposure of his or her person, or be such regulations at the Common Council Globe that said town has acquired a guilty of any lewd, indecent act or may from time to time point out or population of three thousand and that y any natural person or persons, a behavior, or shall expose, sell or offer adopt. warrant shall be issued thereupon by for sale any indecent or lewd book, pic-such Justice for the arrest of the of-ture or other things, or shall exhibit It shall be unlawful for any person

ed to the first uttered. A still more remarkable instance is mentioned by Sir tion of any person or persons, and the markable instance is mentioned by Sir tion of any person or persons, and the judgment of the Court does not provide mit an assault or battery upon another, her vocation upon the streets, or make

If any person shall immoderately ride to answer the charge; the time to be not the limits of this city, every such per-carriage, wagon, cart or other vehicle meanor and upon conviction thereof within this City without securely fasshall be fined in any sum not exceeding tening the same, or without the same The summons shall be substantially one hundred dollars or shall be confined being fastened by a chain or strap from in the following form: "In the Jus. at hard labor upon the streets and pub the bit to a metal weight upon the lie works of the City for a period not ground, such weight weighing at least

make or assist in making any improper having committed a misdemeanor, and and public works of the City for a pe-SECTION V.

If any person shall disturb any lawindecent behavior or profane discourse weapon, he shall be deemed guilty of least five days before the date of ap thereof shall be fined in any sum not in any sum not exceeding three huning or residing in the City of Globe at for a period not exceeding two months.

house, or who shall suffer any drunken. when exercising their legitimate duties, vestigate the charge against said cor ness, quarreling, fighting or riotous or poration in the same manner as in the disorderly conduct whatever on his ease of a natural person, and after premises shall be guilty of a misdehearing the evidence, shall find such cor- meanor and upon conviction thereof any officer of said City of Globe in porntion to be guilty of said offense or shall be fined in any sum not exceeding the exercise of his official duties, shall innocent of the same in accordance with three hundred dollars or shall be con- be liable to a fine in any sum not exthe evidence submitted to him; when a fined at hard labor upon the streets and ceeding one hundred dollars, or to imadise Lost,' two days after Macaulay fine is imposed upon such corporation public works of the City for a period prisonment not more than thirty days, not exceeding three months.

SECTION VII. If any saloon, gambling house, or house of prostitution or dance house keeper, or proprietor of any place other penalty is not provided shall be wherein intoxicating or malt liquors are deemed guilty of a misdemeanor and sold, or the agents or clerks of any upon conviction thereof shall be fined such proprietor or keeper shall sell or in any sum not more than three hun permit to be sold in his or her or any other place of business to any minor, debt was brought to recover any fine, any such liquors, he shall be deemed of the City, for a period not exceeding penalty or forfeiture accruing under the guilty of a misdemeanor and upon con- three months.

SECTION VIII. If any person shall dig any hole, by the court to be reckoned one sum not exceeding one hundred dollars day's imprisonment for each dollar of of shall be confined at hard labor upon the streets and public works of the City for a period not exceeding thirty

the City for the recovery of any fine, visible means to maintain themselves the holders and representatives of a penalty or forfeiture imposed for the and who live daily without employment majority of all the outstanding stock that should be executed thereunder, ing abroad and lodging in tippling following amendments to the constituserve all summons issued in actions of houses, bath rooms, out houses and recovery of any fines, penalties or for-houses of ill fame, sheds, stables, or any feitures; and to serve all processes wagons or boxes, or in the open air, or therein both final and mesne; to collect who shall be found trespassing upon collected to the City Treasurer; to keep giving good account of themselves, or walking abroad and begging or going shall be One Million Five Hundred lected by him and make a statement about from door to door begging or placthereof monthly to the Common Coun- ing themselves in the streets or other and begging and receiving alms, and all Complaints filed under the provisions persons upon whom there shall be found of this Ordinance may also be signed any instrument or thing used for the and sworn to by any person and it commission of burglary or for picking shall be the duty of any person becom- locks, who cannot gove a good account ing aware of the violation of any Or of their possession, shall be deemed va-dinance of the City to make a com- grants, and guilty of having committed follows: plaint, charging the violator thereof a misdemeaner, and upon conviction with such violation, before a Justice thereof shall be fined in a sum not exceeding three hundred dollars, or shall be confined at hard labor upon the All complaints, suits and proceedings streets and public works of the City

> apply to any prostitute having a per-SECTION X. It shall be unlawful for any person, firm or corporation to creet on the sidewalk of any street of the City of Globe an awning post or ground support.

SECTION XI. It shall be unlawful for any person, firm or corporation to use, occupy or This Ordinance shall take effect from obstruct any sidewalk or any street in

the City of Globe for the purpose of Passed and adopted this 17th day of displaying goods, wares or merchandise, SECTION XII.

or allow any person to erect or main- adopted at a meeting of the stockheldtain any booth, stand or counter on any ers thereof called for that purpose, and sidewalk of the City of Globe, or keep that at said meeting a majority of all or maintain upon the street any wagon, the stock issued and outstanding was an Ordinance Prohibiting Certain Of cart, wheel, vehicle, movable booth or duly and properly represented. fenses Against the Peace, Public stand for the purpose of barter or trade Morals and Safety of the City of except under license or contract with set my hand and affixed the corporate Globe and the Inhabitants Thereof. the Common Council of the City of seal of said corporation, at Globe, Ari-

SECTION XIII. It shall be unlawful for any person to If any person shall appear in any deposit upon the streets, alleys, public

ender and trial of the alleged offender or perform any indecent, immoral or having charge or control of a job wagshall be had before such Justice in like lewd play or other representations, evon, to occupy as a stand for the same sire to assume a city organization and under the laws of the Territory of Arimisdemeanor, and upon conviction there any building or vacant lot where the town that the inhabitants thereof as zonn; in the event of the conviction of shall be fined in a sum not exceeding owner of such building or vacant lot sume a city organization; of the offender the judgment may re- three hundred dollars, or shall be con- or any occupant of the street floor of Now, Therefore, Be It Resolved, That quire the party convicted to pay a fine, fined at hard labor on the streets and such building shall object; provided, we, the Common Council of the said or be imprisoned, or both, or pay a fine public works of the City for a period and stand committed to the jail of the not exceeding three months.

Town of Globe, in consideration of the prevent the owner or driver of any job premises and pursuant to the provisions prevent the owner or driver of any job premises and pursuant to the provisions wagon or market wagon from stopping of Paragraph 597, Chapter 9 of Title 11 If any person shall be drunk or shall in any place other than a public cross- of the Revised Statutes of the Territory

> SECTION XV. Any prostitute, courtesan or lewd

not less than five nor more than fifty demeanor, and upon conviction thereof dollars, or shall be confined at hard shall be fined in any sum not exceeding Where a complaint filed with such labor upon the streets and public works fifty dollars, or imprisoned in the Coun-Justice of the Peace, charging the vio- of the City for a period not exceeding ty or City jail for any period of time not exceeding one month, or be punished by both such fine and imprison-

SECTION XVI.

If any person shall leave any horse, horses or other animals attached to any in any street, avenue, alley or lane fifteen pounds for a single horse and twenty-five pounds for a team, every If any person shall within this city such person shall be deemed guilty of SECTION XVII.

If any person shall, within the corporate limits of the City of Globe, carry concealed upon his person any gun, pisful assemblage of people by loud or tol, bowie knife, dagger or other deadly or otherwise, he shall be Jeemed guilty having committed a misdemeanor, and of a misdemeanor and upon conviction upon conviction thereof shall be fined pearance fixed therein, by delivering exceeding one hundred dollars or shall dred dollars or be imprisoned in the to and leaving a copy thereof with any be confined at hard labor upon the County or City jail for any period of agent or officer of said corporation be streets and public works of the city time not exceeding three months, or be punished by both such fine and imprisonmene; provided, that this section shall Any person or persons who shall keep not be construed to apply to Sheriffs, At the time appointed in said sum- any common, ill governed or disorderly Constables, Marshals or Police Officers, SECTION XVIII.

resist, molest, or threaten to molest or both fine and imprisenment. SECTION XIX.

Any person violating any of the pro visions of this ordinance for which an dred dollars or shall be confined at hard labor upon the streets and public works

SECTION XX. This Ordinance shall take effect and e in force from and after its passage Passed and adopted the 17th day of January, 1907.

W. S. SULTAN. Approved: (Seal) Mayor. Attest: F. J. Elliott, Clerk. First publication January 22, 1907.

AMENDMENTS TO THE ARTICLES OF INCORPORATION OF THE

GLOBE-WHEATFIELDS MINING COMPANY

Be it known that, at a meeting of the stockholders of this corporation, held at its office in Globe, Arizona, on All able bodied persons not having the 2nd day of January, 1907, at which violation thereof, to execute warrants or are found loitering around or walk- of said corporation were present, the tion of said corporation were duly and regularly adopted:

That Article 3 be amended to read as follows, to wit: The authorized capital stock of this corporation is and Thousand Dollars, which said capital stock shall be divided into One Million thoroughfares or any other public places Five Hundred Thousand shares of the par value of One Dollar each, and when issued, shall be fully paid and non-as-

> That Article 5 of said corporation be and the same is hereby amended a

> (a) By striking out the word "five" in the second line thereof and inserting in lieu thereof the word "eight."

(b) That, in addition to the persons named therein as directors, the following named persons be and they are months; Provided, that this shall not hereby constituted directors of this corporation, to wit: J. P. Reardon, Richard C. Sparks and Glenn L. Coffee, who with the persons already named in said Article 5, shall constitute the Board of Directors of this corporation.

J. THORNTON PRICE,

N. G. NELMS, President. Secretary pro tem.

TERRITORY OF ARIZONA, County of Gila .- ss.

I, N. G. Nelms, Secretary, pro tempore, of Globe-Wheatfields Mining Company, do hereby certify that the above It shall be unlawful for any person, amendments to the articles of incorfirm or corporation to creet or maintain poration of said corporation were duly

> In Witness Whereof, I have hereunto zona, this, the 19th day of January, 1907. N. G. NELMS, Secretary pro tempore

### RESOLUTION NO. 1

Whereas, It satisfactorily appears to the Common Council of the Town of population of three thousand, and that there are now over three thousand inhabitants within the boundaries of the said town; and

Whereas, The inhabitants thereof de-

adopt a city organization under the name of the City of Globe.

Passed and adopted January 12, 1907. W. S. SULTAN, Attest: F. J. Elliott, Clerk.

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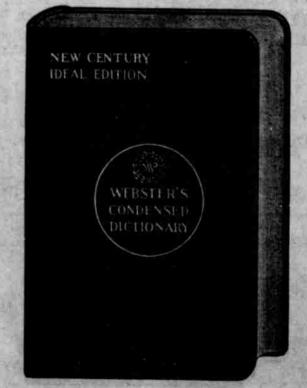
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